

1913 Keltz

Fredericksburg, Va. July  
20, 1913.

*I. johnsonii* a few under  
damp dead leaves on  
on edge of forest.

*I. pennsylvanicus* 17 (1 m?)  
under sciss. on white oak  
*Motettix femoratus* occasional  
in low grasses on upper  
rolling ground.

*Motettix* sp. (if any)  
in sandy soil.

*I. lateralis* scarce on  
high ground in damp  
spots & along edge of  
river also.

*P. cucullatus* scarce  
along edge of streams  
near river Stafford Co.

*A. greenwayi* ads & ons  
in equal nos - locally  
common in scant grasses  
sandy spot as cucull- Stafford  
Co.

~~S. aduncus~~ us species -

~~10<sup>7</sup> in wet high grasses~~

~~upland depression~~

~~J. brevicaulis~~ few ad ♂'s  
same site

~~D. viridis~~ common in  
weedy places

~~C. speciosa~~ fairly abdt  
widely distr over uplands  
esp in short grasses -

~~C. pellita~~ Locally  
common in tall wet grasses  
in uplands and also in  
serpentine-like sites - poor  
soil will dominate -

~~A. sulphurea~~ 1 ad in  
serpentine-like sites

~~Arabis~~ when on. in  
pine woods -

~~H. rugosus~~ common

in upland. short grass

~~H. planiceps~~ Fairly com.  
in serpent-like poor lands

~~Cleor. videlic scarce in  
uplands as & ads.~~

~~Eucop. porcellus 2 m  
only in high upland  
grasses.~~

~~D. carolina~~ most scarce  
in dusty places

~~S. bolli~~ common in  
oak & cedar woods  
in summit.

~~Erit. carolinus~~ v. com  
as occurs on uplands  
in short grasses.

~~M. all~~ occurs in wells  
from and open as swampy  
~~Juniperus~~ free in  
uplands occurs on  
poor ground.

~~Scudderi~~ v. few see  
as in pasture land  
~~Amblyc~~ 1 1/2 m in best  
verbage in at least in  
woods.

A. uligin 10' in corner  
of meadowland near  
woods.

G. brevip not common  
G. fasc Common

G. pulchellum 10' only  
heard & taken in tall  
weeds along river

G. vulgare vs. occidentale  
G. fasc vs swarthy  
and scarce

H. mac vs abdts  
in damp leaves in  
& along border of wood  
on high ground but  
in stream near

H. confusus vs non vs  
fairly common as above  
H. car vs scarce in  
banks of stream in  
woods.

P. pulchellus 1m in  
weeds. Stafford Co.

C. exigua vs common

in weeds along streams  
in woods & along  
river.

D. saltata no common  
in woodl veget

H. agitata same

Cec ~~H. perfect~~ occas  
est on the weeds.

D. latifolius 2 ns in  
weeds in corner of  
field near woodl.

E. annua occasul  
among grasses on sandy  
soil near edge of stream  
Stafford Co.

J. apicalis same  
Stafford Co.

297 specimens

43 species.

2 Orange, Orange Co. Va.

July 21.

N. fumoratus scarce in low grasses in open on Southwest Mountain

S. lateralis Scarce in low Turbage

S. aducens Ads scarce or occas in low Turbage & grasses

D. viridis as before

A. sulphurea ads & scarce or occasional on hills

A. xanthopterus 1 m scarce

H. phoenicea very scarce in open on Hill N of town

E. carinatus 2 ms in open on Southwest Mtn.

C. conspersa 1 m in forest of Chestnut on Southwest mtn.

~~C. vividij~~ juv & adl  
occasal in short grasses  
on hills esp.

~~D. car~~ as given before  
~~S. bolli~~ Accur in underg  
of woods on hills  
~~M. atl~~ fairly com in  
cultiv fields

~~M. sh~~ w long subg fl.  
1♂ seen ♀ (numerous <sup>of this</sup> ms.)  
in undergrowth in  
chestnut forest on Southwest  
mountain.

~~Amblyc. oblonga~~ <sup>rotundif</sup>  
scarce; as last species -  
~~Ambly~~ <sup>oblongif</sup> large 1♀ in  
underg of woods on hill  
N. of town

~~Am~~ rotundif 1♀ in underg  
in chestnut forest on  
Southwest mtn.

~~M. maculatus~~ ms scarce  
in leaves, as last sp. loc.

A dorsalis (large  
tail sp.) Scarce in  
dead leaves and scattered  
green undergrowth of Chestnut  
woods on Southwest Mts.  
A near pachysomum (smaller  
yellow bellied sp.) Locally  
not scarce, elsewhere  
very scarce - same  
loc as last sp.

O. saltator name no scarce  
H. agitator " " w. "  
O. latipennis " " "  
Campt. carolinensis " " "  
beaten usually from low  
herbage.

$$297 + 100 = 397$$

S. americana I seen not taking  
in tall weeds along R.R.

3 Lynchburg, Va. July 22

H. fuscovarius

S. lateralis ✓ in sweeping  
in replaced grassy field

S. advena ~~bilis~~ as at Orange  
A. sulphurea 1 ♂ in grasses  
near oak woods on hilltop  
A. xanthi few on in upl.  
grassy fields.

H. phoeniceus 1 ♂ same site

H. neglectus

"

E. carolinensis ~~sur~~ as fairly common

C. plebejus ~~sur~~ ads "

C. varidens ~~sur~~ scarce as of comen

D. carolina common dust

S. bollii a taken a colony  
seen in border oak woods

S. americana few about weed

M. silvaticus ~~sur~~ occasional in oak  
woods underg.

M. fuscus 1 ♂ as above  
upl. grasses

M. alb. occasional in cultivation

Amb rostratus 1♀ re underg  
in oaks & spruce upl woods.

Q. buckleyi? are as fairly  
common 1 3/4 ♀ + - all in  
tall grasses or hillsides  
where

C. fasc <sup>OTakao</sup> on common few ad's  
Q. vulgare few ms.

$$397 + 39 = 436$$

~~4 Petersburg Va. July 23.~~

G. diversa all found under  
signs of red oaks - as  
about as common as ad.  
The smallest & w. longest  
t.g. only taken from under  
sign on short-leaf pine -

G. lateralis common in  
grasses in early April  
near Abingdon on edge  
of woods.

N. cast. ~~sassafras~~ -

S. adenocarpi few res. same

Q. coccinea few as on edge  
of woods in dry leaves -

G. brevipes ~~1~~ as S. adenocarpi

D. virginiana ~~1~~ as in places

Q. velutina in grasses in  
pine woods.

H. sphecodia a very few  
in field of loco weeds

C. viridis scarce

D. carolinensis & along road

S. bollei in underg of  
pine & oak woods

S. wyoming a few in low  
weedy field

P. fuscipes good size colony  
in weedy bare spots in  
field.

T. citrinum occurs in  
weedy almost bare  
area in fields & on white  
sandy soil.

M. alleni common in celtis.

" fumosus a few in grasses  
in wet place near woods

M. furnarius 10' underg of  
pine woods -

M. m. saundersi occurs

A. oblongus few in  
grasses & low bushes  
in wet place near woods

S. undulatus 2' off as above

one in green bunch of  
underg in pine woods

Orech few as in grasses  
& low bushes in boggy  
spot in woods.

N. carolinensis as not  
scarce as above.

S. nebardei few as above  
a Hypoleucaria 25 (lost)  
after long beating, same.

O. saltat 1 m in  
underg of pine woods

Oec. latip few as same

H. agit 1 m in boggy spot  
near woods

C. tricoloris 10 m in underg  
of heavy oak woods

Paro florid few adl &  
as in boggy spot near  
woods.

Styacaria 1 m underg pine  
woods.

5 Weldon Halifax Co. N.C.  
July 24.

I. divisa is scarce under  
signs on trees.

I. lateralis near stream in  
undergrowth of swampy forest.

neotettix is scarce in scant  
plants & grasses edge of  
pine woods.

Noneot.? as same sit <sup>or</sup> ~~as~~

S. acutus is & ads fairly  
numerous in low green bushes  
& grasses.

D. virid few same 1 in  
undergrowth of pine woods.

O. pelid occurs both places

H. phoenix a very few both "

H. rugosus in fields near  
woods a very few

C. viridis a few same

D. car as usual

S. bolli fairly common  
in undergrowth of pine woods

a few in decid wood.

L. fuscum a few in  
color - sandy spot on  
edge of scattered pieces.

L. citr one only along  
road in sandy spot  
A. sulphurea 1 in low  
green vegit.

S. agnus carol 1 m in  
underg in decid forest  
near stream.

M. atl few, as usual.

M. devius 1♂ in scattered  
woods of loco pieces & oaks  
under bucklrb & other  
sand loving bushes.

M. near striculosis on af  
1♂ 1♀ same sita after  
long search.

M. leucid? no same  
not uncommon.

Baeodderia 2♀ + same.

A. oblongij scarce in  
low meadow bushes near  
forest.

C. ulieri scarce.

C. pulchell 1 or in green  
underg of heavy forest  
near stream.

A. exigua 2 or same

E. apicula 1 or ground sand  
place.

R. pallator a few ms  
rare.

H. agit a few ms same  
to also in green underg  
near forest.

C. latef 1 or in underg  
of live pine woods.

N. carol 1 or along st  
in heavy forest.

P.M. back to low woods -  
where Neel. Sh is n.e. sp. was  
taken - 2 very work res.  
♂ ♂ all in same area  
of 100 ft - The species  
is wary but rides  
constantly so tried by  
careful approach and  
guarding in the cut  
several were easily  
picked up - Not a  
vigorous jumper -  
Sch. alutacea 1♂ there  
a number of n. Neel  
and 1♂ 1♀ A. abelei

$$+ 600 = 704$$

~~6 Goldsboro N. C. July 25~~

~~G. major~~ 1♀ & a. under bark  
of dead sh leaf pine stumps

~~G. ulteriana~~ 2♀ under  
debris in sh leaf pine needles

~~G. lateralis~~ scarce in wet  
weedy spots in sh l pines

~~Monotellus~~ Scarce on sandy  
gr in scrub veg in sh  
l pine woody  
~~Neotettix funeralis~~ (rough)  
as ~~G. lateralis~~.

~~Neotettix~~ (smooth along  
edge of sh l pine woods  
in underg & grasses

~~Acanthocephala~~ scarce as ~~Monotellus~~  
~~S. adamsii~~ scarce in  
grass in sh l pine wood  
~~D. viridis~~ fairly abt  
same place

~~Q. nelealia~~ scarce, few  
~~H. phoeniceum~~ scarce in

~~grasses on edge of pines  
S. bolli scarce under  
sh b pine woods.~~

~~A. xanthus occas scarce  
A. ulkei few in green  
grasses & weeds in damp  
places in sh b pine woods~~

~~P. pubescens few as same  
E. mucronata, same~~

~~C. saltat few as same~~

~~C. latif. inst C. ? same~~

~~H. agit few as same  
F. neobardii few in  
grasses growing under  
scattered growth of sh  
leaf pines -~~

~~C. elegans? (striped green  
w) the same~~

~~Ath. pacayana? scarce  
in scant veg it among  
leaves of few deciduous  
trees in sh b pine forest~~

$$704 + 116 = 820$$

7 Greensboro N.C. July 26.

J. later a few ~~evening~~ ~~scarce~~  
short grassy egg growing  
on marshy almost bare  
clayey ground -

Neotellix (rough, carnial)  
occasional - scarce -

Syst. Dick C. pedid S. bolivi:  
ns C. xanth, M. fuscoplat  
atlanticus as usual, scarce  
M. ns of sp near coronaria?  
not uncommon in low  
grass on edges of forest  
J. rubardi (in same site)  
Alicanticus dorsalis (?) in  
leaves ~~evening~~ grasses  
in decid forest / small  
color only found -

Leptys marginata ns  
common in dryings  
spot

Luoph soldanella scarce

~~Mucob macul~~ 2 ns w.  
~~motellis.~~

Chort few add quite a  
few w ~~scen~~ vs in grasses  
near woods.

~~Mucob fasc~~ larg in  
typical <sup>of</sup> many grasses  
near marsh, some on  
typical <sup>of</sup> forest underg.

~~Eutellis~~ no common  
to ~~Motellis~~.

~~H. agit~~ no fossil in forest  
undergr.

~~E. mucicula~~ a few w ~~Motellis~~

$$820 = 919$$

$$704 + 99 = \underline{803}$$

8 Charlotte N.C. July 27

I lat in grasses about  
damp places in & near  
woods occur.

Acydium occur on wet  
clay along "branch" in  
pine woods.

M. leucies In scant  
growth of wild straw  
& other low plants &  
low oaks, grape vines  
etc - no grasses & esp  
bare ground, in <sup>tall</sup> pine  
woods - Almost  
all <sup>seen</sup> seeds taken -

M. carri gr a few  
 $\frac{1}{2}$  gr no saucy with  
but partic on edge  
of woods in cl grasses

N. macul no a few  
saucy pl as M. leucies  
M. carol few no along

streams in forest.

Sandalia not scarce  
among tufts of very green  
grass growing over ~~area~~  
areas in tall shl pine  
woods.

A. rufa & xanth both  
ads in these woods -

S. bolli ~~viscose~~ scarce -

Campsis carol  $1\frac{1}{2}$  grown  
bitter hone wild  
grape vines are ground  
in these wood.

H. florid 1 in some  
woods.

I. agrio v. ~~scandens~~ place -  
I. divisa v. ~~scandens~~ white &  
red oaks & other decid  
trees smaller species.

I. major 19' ~~scandens~~  
size of red oak.

A. pulid <sup>v.</sup> ~~viscose~~ in woods

9 Columbia S.C. July 28

Dicly in small bunches of grass in bare area near edge of field.

Phyllose beaten from green heavy needles in pine forest (sh leaf).

Mercuvia no place  
place as Dicly.

Scirtitica picked 2 ms on sand in black jack oaks -

Pine fine there also

10 Adout apliceum There but not taken.

Schistoc along edges of sh leaf pine woods  
C. trigonip beaten as P pulv.

C. squame ms very abdt in long leaf pine forest among needles.

Aniso annulipes under  
board under sh leaf  
pieces.

Apple, Clothe, Hip are  
2 species occur in field  
near pine woods -  
I. citreola /sd colonies  
found on sandy soil.  
M. scudderii ff on  
in scrub undergrowth  
(chiefly oak sprouts)  
in area of black jack oak.  
M. as w other species  
in underg of short leaf  
pine forest on edge  
of pine.

1023 + 81 = 1104

~~10 Augustā Ga. July 29.~~

Tettigidea few in damp  
under old leaf piles.

Neotettix quite numerous  
in one sandy locality in  
sawee woods.

O. amplus under  
signs on sweet gree

O. divisa few ad & us  
under signs on sweet  
greek and old leaf Georgia  
pines.

Staphylinus caryob In raspb  
thicket seedling in pine  
woods.

Melan Tennesse 17 in  
bundle of grass in sandy  
scrub oak area

Radioc, brevip seems  
fairly common under  
old leaf pine woods  
(all broken) few in

nearby waste land of  
short grasses (green &  
brown) few in sandy  
scrub oak tract.  
Syrst admir also occasional  
in more open waste  
land of short grasses -  
as everywhere also usual  
Misc alboviridis had  
as occasional in waste  
land of short grasses  
had as common grass  
in sandy scrub oak  
area.

Eritett caricea as several  
in grasses near pine  
woods

Ceratop granulata (?)  
few in waste land  
of short grasses.

H. rug reflex scarce  
H. glaucia few in sandy  
scrub oak area.

~~Sph. wyoming 1 ad sp  
Prinid. pectinata few  
sawee.~~

~~Sart. spilata 1 ad 1 m  
sawee~~

~~D. carel general occul  
J. cinn (?) in as pecta  
Scl. obscurata 1 $\frac{1}{2}$  in  
high weeds at corner  
of cotton field.~~

~~S. alutacea 1 $\frac{1}{2}$  in high  
bushes along drain  
near pine woods -~~

~~M. propinquus in grasses  
in waste land & in  
sandy scrub oak area  
few.~~

~~M. sturci (?) fairly  
common in sandy  
scrub oak area~~

~~M. carnea gr 1 ad 8  
not common in scrub  
oak sprouts, sawee.~~

~~N. sh w? few ns  
in under of sh by  
pine woods in deep  
place.~~

~~H. floridana 10 1/2 / 8 m  
in low plants, Reddiberry,  
strawberry and many  
others in sandy scrub  
oak area - This sp  
acts in all mesic and  
moister - When pressed  
widely on the underside  
of the leaves of small  
plants a oily felt  
and eggs showing fr  
above.~~

~~Parot florid 1m in wet  
place near pine woods  
Lept mearginic. In same~~

~~Amblyc 29 in sandy  
scrub oak area~~

~~Adonit opt occurs same  
area & oak sprouts~~

~~a Phalaen 18 away  
grasses on ground  
in sandy scrub oak area  
N as not common  
in settled land among  
grasses.~~

~~Gray like yellow same.  
Huge giant 18 in  
weeds of old pine  
woods.~~

~~C. trigona 3 hr beaten  
from plants in weeds  
of old pine woods?~~

~~Dec 4 green in waste  
field. 2.~~

$$1104 + 190 = 1294$$

~~11 Macon Ga. July 30.~~<sup>31</sup>

~~I G. divergens & G. undulatum  
a commonly under oaks  
leaves on edge of oak &  
the leaf pine woods.~~

~~I C. leptocephala ♀ there also  
but escaped.~~

~~C. aquatica / m. There a  
few.~~

~~In high <sup>heavy</sup> bunch grass  
on edge of pine woods  
Carex 12", m. abdt.~~

~~I M. heterolepis same  
Syrb aduncus ad & m "~~

~~S. americana " "~~

~~S. alatissima 19" m "~~

~~Q aplerium fairly abdt.  
in weeding of old pine  
woods esp. above oak  
sprouts, 2 S. boliviensis  
& 1 A. uliginosus, 2 Staphelia~~

M. propinquus occasional and  
M. atlanticus 10' in the  
tall heavy bunch grass  
M. carrieg (?) as occasional  
part about oak shoots  
in underg of old pine  
forest.

H. maculatas in cedar  
from high bunch grass  
along edge of woods  
H. rug same place  
a gravel in dense  
woods.

R. brevif 12 & a very few  
as in bunch grass  
along edge of small  
woods, as in woods also.

$$1294 + 149 = 1443$$

Same loc. next day -

1 adult M. carnegiae in

oak shoots & other plants  
in underg of sh leaf pine  
woods - ns were abdt  
and a series, apparently  
all of these species were  
taken.

M. tribulus 1♀ taken  
among oak sprouts  
and a tangle of  
other plants & vines  
in underg of pine wood  
some of the ns seen  
above were taken here  
but it appears hardly  
probable that they  
belong w this -

Diplo has taken  
several sites.

Monotell 2 taken over  
gr among pine needle sea  
sites.

~~Microtus~~ ~~savii~~

~~T. citellus~~ 2 pupales on  
bare washed reddish  
clayey ground.

Campylac appeared  
to be distributed everywhere  
in the thick grasses along  
the edges of the woods  
at Idle Hour.

$$1443 + 98 = 1541$$

$$\begin{array}{r} \underline{149} \\ - 98 \\ \hline 141 \end{array}$$

12 Albany Ga. Aug 1.

A. annulif under sign on  
oak.

S. divisa 1♀ under sign on  
l leaf pine.

S. undulata 1♀ not taken  
same.

C. lutea 1♀ under needles  
in l leaf pine woods.

Elytropis 1♀ underg in  
l leaf pine woods beating  
little but were grass there

T. gracilis 1♀ same  
Stagnaria car as common  
usual underg in l leaf  
pine woods, few in leaf  
veget along river.

Ceius brynes no common  
locally in high veg  
along river.

Diplo 1/2 of res common,  
same

T. lat- occ in underly  
in pine woods esp  
in more moist loc.

Nocent sp - very scarce  
in underly of pine woods  
where some low marsh  
looking plants were apparent  
Neotelt few in sandy  
spots in underly of pine  
woods.

Paratelt on limestone  
eroded sand and sand bars  
on edge of Flint river.

R. brevij very few in  
in underly of pine woods

M. alacris 2 ads in ocean  
sand.

Dides vizioides occasional  
damp spots.

S. aduncus freq underly  
of pine woods mostly  
ads about equal

O. pulicid freq ads underly  
of pine woods.

~~A. xanth(?) scarce ad  
underg pine woods.~~

~~Ebor. australis numerous  
in grassy open places.~~

~~H. rugos v. glauc, 2,  
underg of pine woods.~~

~~P. fuscata 1<sup>2</sup> sandy  
spot in leafy pine woods.~~

~~T. citri & f. same  
these " " earthen mounds  
app (1<sup>2</sup> esp, tabern)  
also sand bars along  
quiet river (as sp. noted  
, tabern)~~

~~Scler. obscurata in high  
green weeds field near  
river.~~

~~Scler. rubra (?) 1<sup>2</sup> sandy  
leafy pine woods.~~

~~Scler. beat graceful  
yellow weed sp - same  
these. 2 sp in dry  
places among low bushes.~~

Eo. Pesiller 18 & 19 n  
under low  
All intermixed in pine  
woods in moist but not  
swampy place.

M. sordid (?) ms occur al  
under pine woods.

M. propinquus abdt in  
fields.

M. trib sp (?) few ms  
in heavy weeding in  
pine woods near river

M. luridus (?) ms occur  
under pine woods.

A. opimus? ms as  
a few species as shown?

P. attenuat ♂ & few ms  
species

Sordid one sp 2 ♀  
species

Sordid large very  
few under pine  
woods.

~~Amblyc ulderi 18 same  
Amblyc sp (larger)  
or few same.~~

~~Coccyz 17 (shorter oviz)  
same~~

~~Coccyz 19 longer oviz  
same as monotell~~

~~Arch gibb except  
singing in highest  
spot in Guigles day~~

~~Arde mohars (?) 18  
in lower wood slope doubtful  
atte to legat?~~

~~Xiph fusc flies in wet  
grass.~~

~~C. aplourus breeding  
in pine woods. freq.  
but less abdt.~~

~~E. macrata swamps  
spot on edge of  
water.~~

~~N. cubae occurs in  
swamps tropic.~~

N. auberti comes  
under pine woods.

D. dolosus under  
sign on long leaf pine.

D. auberti on grass  
in grasses (not taken)

C. exigua long 31  
Under mosquito bar  
in bedroom.

F. nebulosa 112 weedy  
along edge of river.

C. tragocephala comes  
in tangle of overall  
bushes and vines  
along river

Phyllocoptes (?)  
sacculi.

Aec 4 queen 2 and 4  
pine woods

Hapithus fits me  
as Phyllocoptes.

The little green  
spider with legs

~~OK - Gallatin~~

~~Was been observed  
not uncommon here  
in the meadows of the  
pine woods as well  
as at Malone, Augusta  
and Columbia in like  
situations - I think  
it very probably over  
as yet undescrib'd pine  
meadow of taken 19.11.~~

$$1541 + 286 = 1827$$

~~13 Atlanta Ga. Aug 2.~~

~~I drop tree in oak  
leaves in forest of saucer  
Dove had 2 m. bealee  
from high weeds along  
stream in oak & ale &  
pine woods.~~

~~Draple ms few in plants  
and bushes in oak woods~~

~~Argonyx 12 m. on  
ground in oak woods~~

~~Nonotett 1/2 on sandy  
ground in higher <sup>sitiae</sup> oak woods~~

~~Neotett coecocore on  
more sandy ground in  
fields & few saucer in  
oak & pine woods~~

~~I lateralis along  
stream in meadow  
land.~~

~~S. crenata saucer~~

~~S. admiral saucer  
Cretella simplex few~~

~~no in short grass or  
fields.~~

~~C. pulchra few under  
of pine & oak woods.~~

~~C. xanthi few no sauc  
C. aust. common as  
Eritella~~

~~H. phoenicea few in  
shrubby open~~

~~H. rug - seen on only~~

~~(Bradley took some)  
very abdt. as Eritella.~~

~~T. ciliaria on bare clay  
was noted on hills side.~~

~~S. amara few in  
pine woods.~~

~~M. canescens 2 or no  
abdt in underg. of oak  
& pine woods granite  
on higher ground.~~

~~M. tribulus gl(?) no  
soil saucer beet near  
the more moist ground~~

M. atlanticus cultiv.

M. lucid (?) ns

occasal in mixed oak  
& pine woods.

P. floridana as T. lateralis  
Xylo fast saucc.

A. rotundip. (?) in weeds  
& vines low spots in oak  
& pine woods

L. vulgare (?) ps. as  
T. lateralis.

N. socia saucc.

N. carolinensis 1♀ in  
oak leaves in saucc  
woods.

T. rubra in pine  
woods.

S. balle very plent  
in mixed woods of  
oak and pine.

C. fe latip few ns  
in oak scrub in oak  
woods.

~~H agit peu nos races.  
P. jadis peu nos as  
Dores.~~

$$1827 + 84^{(?)} = 1911$$

14. Stone Mt., Ga., Aug 3

I. saxatilis on bare

granite slopes where  
only areas of lichens  
were to be found —  
The sp was plentiful  
about the base of  
the mtn where these  
bare rock surfaces  
were first encountered  
part in areas of  
rock fragments near  
the adjacent bunch  
grass veget on ascended  
further the sp was  
found less numerous  
becoming quite  
infrequent if on the  
bare rock areas  
in the pine woods  
but at the summit  
where large bare rock  
areas occupy the

greater portion of  
the surface the sp.  
was again found in  
clouds now. The  
flight of the species  
is distinctive - taking  
wing with great rapidity  
they fly very low for  
a short distance but  
evince great wariness  
and often have  
to be approached a  
number of times before  
it is possible to come  
within striking dist.  
Auly's <sup>very</sup> occ was taken  
flight accouy by any  
sound - this sound  
being a faint chirrup  
resembling that occ  
prod by individuals of the  
western L. cyaneipennis

The granite surfaces  
were for the greater  
part stained to a  
blackish hue and  
the majority of specimens  
~~exactly~~  
were of this coloration,  
a few were paler  
matching the paler  
areas of rock surf  
while others spec  
were mottled with  
greenish and these  
exactly matched the  
lichens.

A. xanth / on bare  
granite surf near sand  
of mt.

N. pubescens / ad  
is to fairly plentiful  
in frequent areas of  
beach grass on mt.

C. variegata a very  
few seen.

S. adspersus ads & us  
every year occas  
sance.

H. neg  $\frac{1}{4}$  a sance

H. pluvialis 19 in bunch  
grass in pine woods  $\frac{1}{2}$   
way up mtn.

O. apertus 17 in specie  
of wild mint in bunch  
grass area in pine  
woods.

M. carolinensis was scarce  
in underg of pine woods

A. occidentalis was fairly  
numer in bunch grass area  
in pine woods.

O. pelidneum very few  
sance.

Xiph (1911 n sp) was occ  
fairly plentiful sance

174 2085

1911 + 866 = 2077

~~Glenn~~  
15 Pine Mountains, vic of  
Aug 3.

A. xanthus was occur  
underg pine woods

I lateral in bog at  
foot of Pine Mtn precip  
planted.

A. obscurus very few  
on sandy area on  
edge of bog at foot of  
Pine mtn.

I breed numerous  
ads few was seen.

S. ag. carolinensis 2 ms in  
blackberry tangles pine and

D. capreolus ms not occur  
in tangles in pine woods

M. monotis 1<sup>2</sup> in sandy  
grassy area in pine  
woods.

H. megalotis along road  
open

H. plei 1<sup>2</sup> " "  
in blackberry tangle

S. adunca ~~occ~~ under,  
in pine woods.

C. philidoxa same

S. bolli same part  
about same dates there  
I. citreola & I. velyi in  
wood

M. carri 10% ~~not~~ taken  
as adult under or  
pine woods.

M. Muelleri very few in  
same

M. arborea 1% in  
dusty road between many  
pine woods.

M. reticulata 1% beaten  
from grass clump in  
bog at foot of Stone gate  
cliff.

C. aptera 1% under of  
pine woods

H. agit 1% in tangled  
in pine woods.

E. muculata very few  
on sandy area at  
Acrydium.

N. carolinipes in bog at  
foot of Slope near precipice

D. rubens on edge  
of same in pine woods.  
C. trigonum still beaten  
from lange in under  
of pine woods.

C. aquatica in same  
Scand 2. underg of  
pine woods

D. carol common  
along dusty road as  
usual.

$$2085 + 64 = 2149$$

(16 and 17 vol. 4.)

16 Toccoa Ma. Aug. 5.

Aubly ~~now~~, occurred in grasses  
wires & oak sprouts in  
clearings

Aubly larger ♀ seen  
nesting on blueberry bushes  
in dense forest of pine  
saplings.

S. bottii ~~occurred~~ in underg.  
of oak woods.

H. phoenicurus 1 ♂ in grasses  
& wires & oak sprouts  
along edges of wood.

S. adae freq & widely distributed  
there nesting in forest.

M. alacris 1 m as Aubly now.

M. carolinus everywhere in  
underg of forests esp about  
oak stages - <sup>only</sup> the abundant  
m. very predaceous yet.

M. luteirostris of course there underg  
of forest.

H. rug. no disease no sun

Audley -

B. bipinnatifid. Kew beaten  
same place th. previous.

C. retic. adams everywhere  
N. cuneifol. red ground like  
dark leaves.

N. ros. I do same -

Mett. I do sticky sun  
nowest for me muddy

T. ciliolata forest  
Cyclotis same for

68 + =

~~Elev 1700 ft.~~

17 Citroohée Mts., Ha. Guy

M. vahlii young 1/2 way  
up to summit in luxuriant  
montane meadow in grass  
with a few species under  
a forest quadruped in  
black jack - velvet but  
no manes fairly abdt.

M. leucurus generally  
distributed over eastern mts.

M. stigmatus very  
local on the summit  
in veget. as above number  
M. vahlii partly about  
the streams.

M. carri young abdt  
in grassy mead and partly  
so about up to summit  
on summit a little in  
the great ravine.

M. ingens fairly a very  
few on very narrow

all others taken in  
beginning of pine  
woods at upper limit  
of gradual slope -  
H. pumila  $\frac{1}{2}$  ft. above.  
Atlantic N. France  
Apteria had at ancient  
in descs. with no result  
C. apteris very little  
abdt - in different  
mountain forest described  
as above & V. predominant  
Hesp. brevip. occurred in  
burnt grass (rarely left)  
partly where there was  
scattered on pine slopes  
and in the deep - taken  
from summit to pine  
woods on upper grad.  
slope.

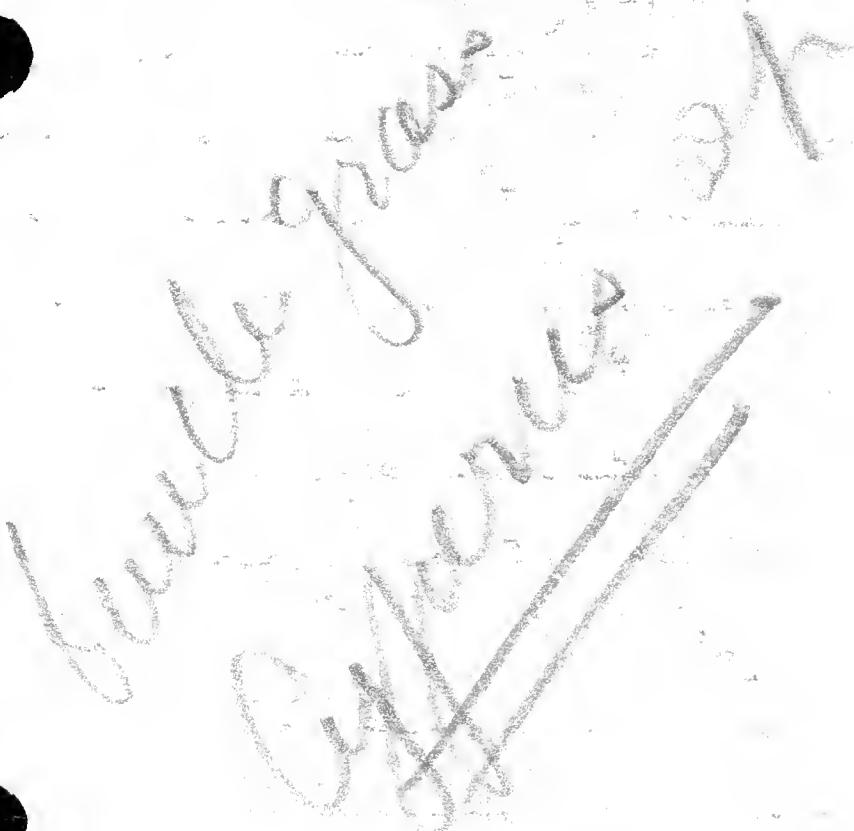
Cyp. latif. taken from  
the n. m. burnt.

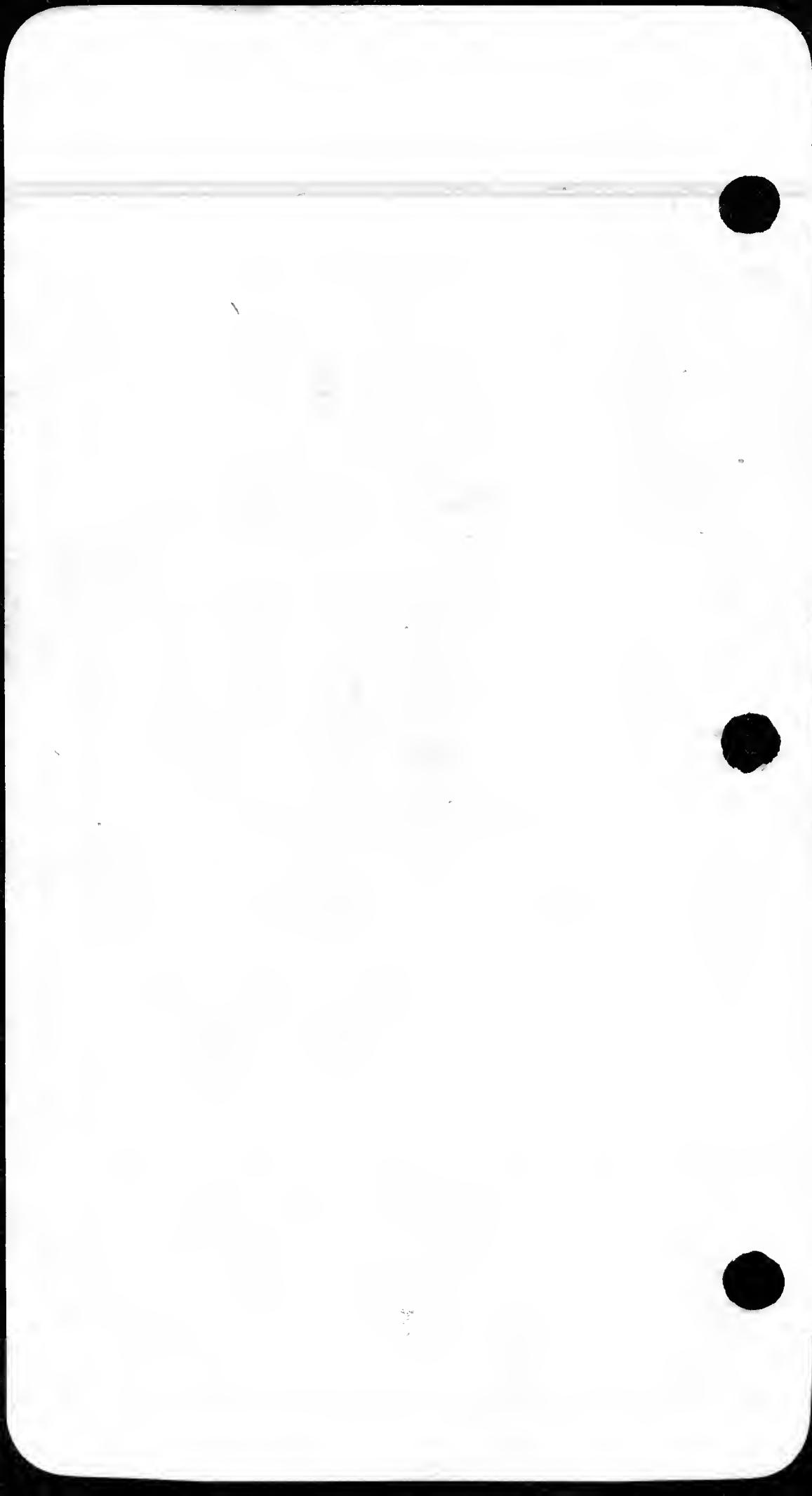
~~See 4 pines 16' apart.  
Haplosporidium found  
underg old trumpet.~~

~~Solid stems in descr  
but only veget top to  
lower types.~~

Arbutella sauvagei

147 + =





18. Jasper, Pickens Co.,  
Ga. Elev. by aneroid  
1550 ft. Aug. 5, 1913.

Collected eas + of form.

Hesperocorema sp. Beaten  
from oak scrub - grasses -  
all immature. Had  
front leg extension re-  
action.

Urpharella scarce in  
mixed + pine woods.

Aphelia sulph. edge of  
pine woods.

A. xanth. in mixed  
woods. Choropl. edge  
of wooded land.

Melanoplus carneus.  
in mixed woods -  
few adults, nymphs  
numerous.

Lath. belli Numerous  
in mixed wood.

~~Ammotelus~~ on bare spots  
in woods and clearings.

~~Ambycorypha~~ beaten  
from scrub.

~~Clecaanthus~~, Beaten from  
scrub.

~~Tenuob.~~ in woods + on  
edge of same.

~~Apolysis~~ in woods.

~~Cyclop.~~ Beaten in woods.

$$2149 + 43 = 2192$$

19. Sharp Mountain (acc.  
to local authority - the  
same called Sharp-top Mt.  
by Morse & on for. charts. The  
latter name is used locally  
for a ~~lump~~ ~~bend~~ to the  
eastward.), near Jasper.  
Pickens Co., Ga. Alt. barometric  
1800 - 2000 ft. Aug. 6, 1913.

Edge of old field on N.  
Phoenicophaeus.

Remainder all in under-  
growth in and on bare  
ground - rocks under  
mixed deciduous & conif-  
erous forest on steep slope.  
Much sumac, some blackberry  
& oak brush.

Oligonyx ~~was~~ ~~recording~~  
on bare ground.

Hesperia brush at edge  
of woods.

Ph. lotti ~~Wheatear~~ in  
woods.

Melanopl. ~~the blues~~ three  
seen - all taken. very  
local.

M. carnegiae Most numer-  
ous species. Fairly well  
describ. in cards.

M. amplusculus All seen  
taken.

M. leucomelas All seen  
taken.

Oreothraupis Beaten.

$$2192 + 37 = 2229$$

20. Waltham, Whitfield Co.,  
Ja. Averoid elev. 1200 ft.

Aug. 7, 1913.

valleys entirely cultivated -  
hill slopes to westw. 3 1/2 mi.  
very dry, burnt off in large  
part & stony. very poor.

Oligonyx ~~x~~ Amur in rocky slope.  
Diaphorina. Mymphala ~~lost~~!!  
beaten.

Syrphidae. Mymphal only  
in brush.

Sphaeropthalma loli seen  
but not taken.

Missed along road.

Melanoplus. Tundras on wooded  
slope. M. ampl. ditto.  
M. tribulus nymphal on  
ditto. M. carnealis  
(?) ditto.

Odonata Sphecidae  
~~on flat fields~~ ~~on slopes~~ - all other bees  
on slope but ~~is~~ escaped.

~~Hapithus~~ ~~Braderi~~ in  
flat woods.

~~Oecanthus~~ ~~Braderi~~ on  
slopes.

~~2229~~ + 15 = 2244

21. Warm Springs, Meriwether  
Co., Ga. Elev. 850-1100 ft.

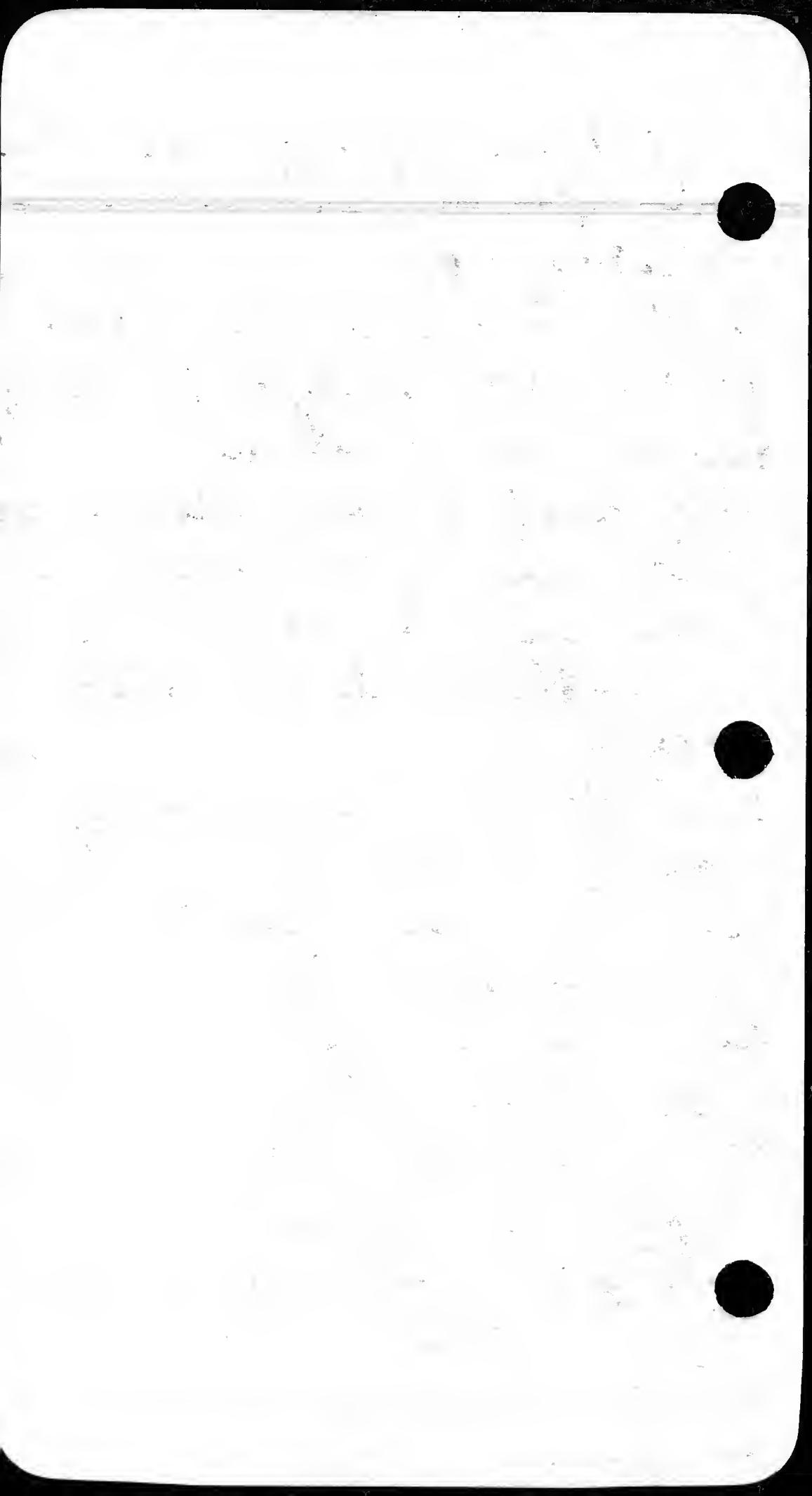
Aug. 9-10, 1943.

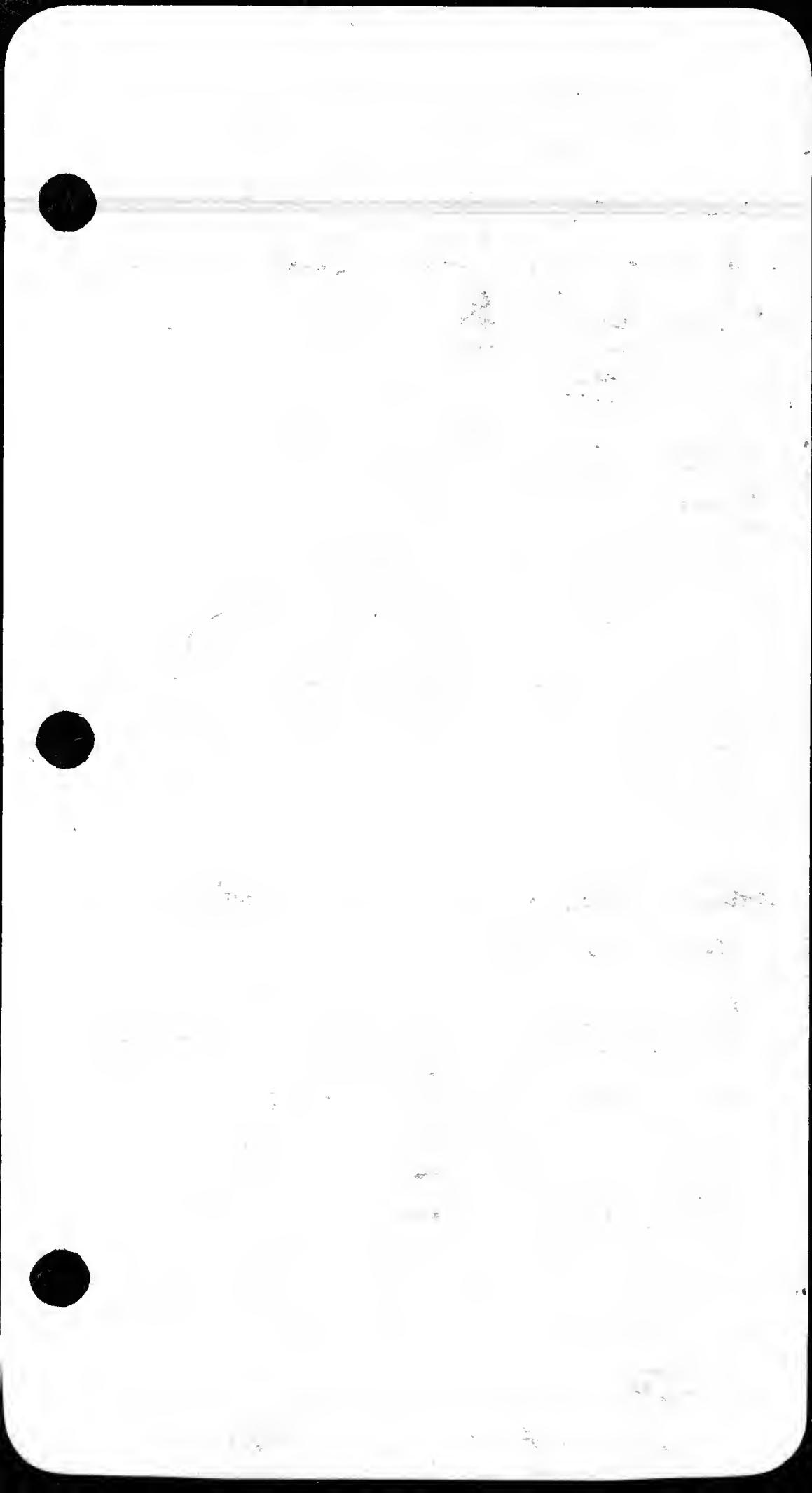
In pine & oak woods on slope  
of Pine Mt (really only a hill);  
timber low, with <sup>pine + barren like</sup> an occ.  
long-leaf pine, undergrowth  
low, much blackberry &  
"bracken"-like plant, fre-  
quently much burned &  
stony.

Iach. derop. Running on gr.  
Choris. Beaten from underg.  
Diaphl. nymphs. Beaten.

Aniso. Beaten & taken from  
low oaks etc. <sup>One pair in coitus.</sup> much infested  
with mites <sup>Rattus</sup> Aphy. numerous.  
Aphidae ~~x~~ not numerous.

Hippis. One taken all seen.  
Sph. In fair numbers.  
Cotettix pusillus Single sp.  
seen & taken the heavy tangled cl.





woods undergrowth.  
~~Mel. carnigii~~ In fair  
numbers, few adult ♀♂.  
~~M. stonei - like sp.~~ Scarce.  
~~M. luridus~~ ✓ Scarce.  
~~Hespero.~~ ~~flavida~~. Only seen  
taken - beaten.  
~~Scudderida~~. Only ♀♂ taken -  
no others seen.  
~~Cedrotox.~~ ~~Uncertain~~.  
~~Cyclopoid~~ ✓ Scarce - beaten.

Same loc. & number. Afternoon  
Aug. 10, 1903.

Campylocac. nymph in woods  
in abandoned road in same  
woods. Syrbula n. ditto  
Oligonyx running over  
ground in woods. Amblyc.  
beaten from scrub. Stagnon  
ditto.

$$2224 + 115 = 2339$$

22. Ashley Junction,  
Charleston Co., S. C.

Aug. 15, 1913.

In long-leaf pine woods,  
most with dry wire grass  
& "bracken-like" undergrowth,  
several areas of tree brake  
& reeds & grasses (depressed  
& more moist) and  
several spots almost  
bare except for short  
grass.

Hymen. Everywhere in under-  
growth, vine stage. Settipidea  
& other Settipids in the  
bare spots. Mycelina al-  
ni in tall brush - all  
seen. Clypeasterella not  
particularly common,  
adult & nymph. Clino-  
cephalus scarce in wet  
sp. st. Dubbydrops, nymphs

~~not uncommon in brush.~~  
~~Aphia only several seen~~  
in dry woods; mistaken.  
~~Piniidia - one nymph on~~  
~~sand. Scirtesica are~~  
very small nymph. Both  
~~Scirtesica obscura - like~~  
sp. Abundant in all  
situations - females  
not as numerous as males.  
~~Striped ♀ and leather~~  
~~colored mes. Sable in~~  
~~woods & also in wet~~  
~~spots. Only mated pair~~  
~~were both striped. Lept~~  
~~broma nymphal. only~~  
~~but numerous in wet~~  
~~areas. Mel. Gularis~~  
~~in dry woods. Scarce.~~  
~~M. decolor - like in~~  
~~area of short grass~~  
~~& no brush, only nymphs~~

scarce, all seen  
taken. ~~Micro.~~ one  
broken in woods. ~~Ambyc.~~  
one ditto. ~~Belocephalus~~  
mainly adult pair in  
mt spot. ~~Uchel.~~ n. in  
ditto. ~~Udo & exphid.~~ in  
dry woods - numerous.  
~~By slope~~ swept in woods.  
~~Phylloco.~~ "

~~Ocanythus~~  
~~Hapithes & Urocladius~~  
numerous in dry woods,  
almost all nymphal.

$$2339 + 133 = 2472$$

23. Isle of Palms, Char-  
leston Co., S. C. Aug. 15, 1913.

The brush on the island  
is scattered in the hollows  
of fair sized dunes and  
consists of bayberry,  
a sort of white oak, briars  
and more rarely palmetto.  
No saw palmetto was  
noticed and there is  
no hammock land.

Much sea oats grows even  
between the dunes.  
Search failed to reveal  
any Drimocopteris, but  
Panicum was abundant.  
Aiph. divaricata was com-  
mon but hard to catch.  
Schist was scarce every  
sky. Only the two Mermuris  
seen - Cryptopt.

~~all broken from  
bayberry - also nymph  
Napithes. Little variety  
in species.~~

$$2472 + 59 = 2531$$

